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REPORT OF TEST

No. 305385 DATE August 16, 1966

From United States Mineral Products Company
Stanhope, New Jersey 07874
Purchase Order No. B-4307

Summary: Air Erosion of CAFCO BLAZE-SHIELD Type D (untamped) is negligible.

title: Dusting and Flaking Test of CAFCO BLAZE-SHIELD Type D Fiber (untamped).

Procedure: A submitted sample 15/16" thick applied to a 16" x 48" sheet of gypsum lath at a density of 11 pcf was mounted in a duct with the fiber face parallel to the direction of the air stream. A blower with a filter was at one end of the duct and a black cloth collection filter was the terminus or open end. The blower was started and allowed to run for 6 hours to remove dust or flakes loosened by handling. At this time, impinging and issuing velocity were checked with an anemometer.

Impinging velocity: 1040 ft. per minute

Issuing velocity : 270 ft. per minute

After the shakedown, the collector filter was removed, cleaned and replaced. The blower was then started and allowed to run for 24 hours. At the end of this period the collector filter was removed and the collected particles weighed.

Results: At an air impinging velocity of 1040 ft. per minute and an issuing velocity of 270 ft. per minute, the total accumulation on the filter was .0004 g. or .0001 g/sq.ft. of exposed area.

To
United States Mineral Products Company
Stanhope, New Jersey

PA LAW DEPARTMENT
58907

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INTERNATIONAL TESTING LABORATORIES, INC.

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